Mission Tools Suite (MTS)

HS3 Step-by-Step Instruction Guide

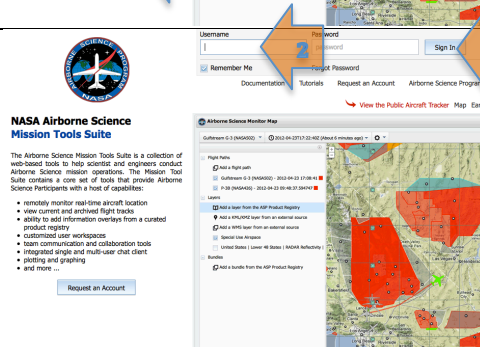**Sign On**

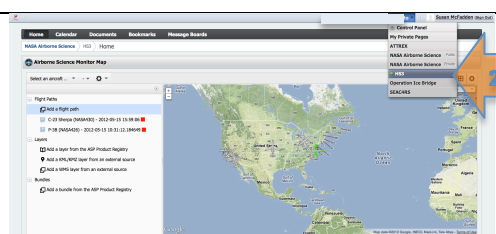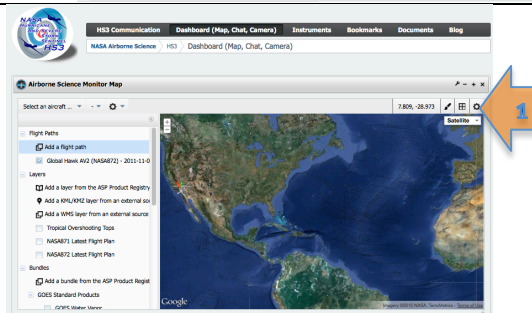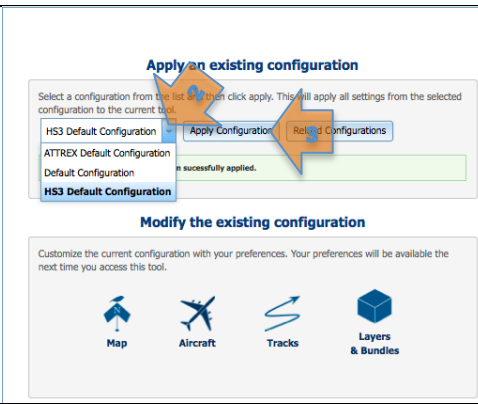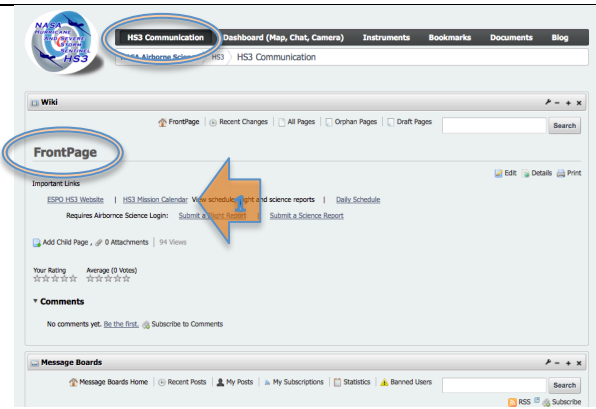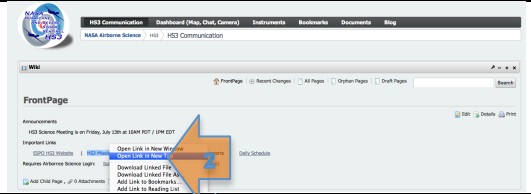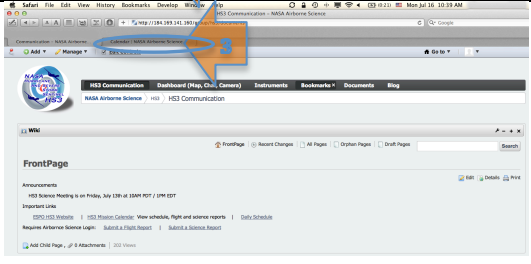|	
Request an Account 1. From your browser, link to MTS http://184.169.141.160 2. Click on Request an Account 3. Inside the email, mention you are part of the HS3 Mission	
Link to the HS3 Workspace ➢ The HS3 Workspace includes various tools for communication such as message board, bookmarks, and documents for the HS3 site members to share information 1. From your browser, link to the HS3 Configuration at **http://184.169.141.160/group/hs3/** 2. Type in your Username (email address) and Password 3. Click **Sign In**	
Alternatively, if you log in to your own workspace (without HS3 in the link), you can load the HS3 Workspace by: 1. Click on **GO to** in the upper right corner 2. Select *HS3* for the HS3 workspace	
Apply HS3 Config to the Monitor ➢ The HS3 Default Configuration includes the Global Hawk and typical layers. 1. Click on the Gear Icon	
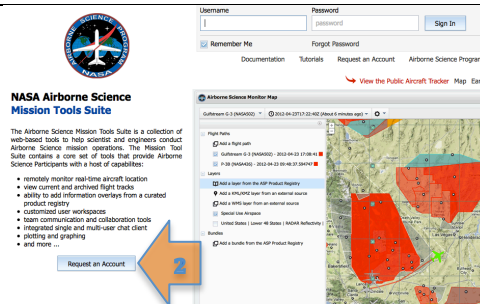
2. Click the pull down and select **HS3 Default Configuration** 3. Click **Apply Configuration** 4. Click **x** to close the window	

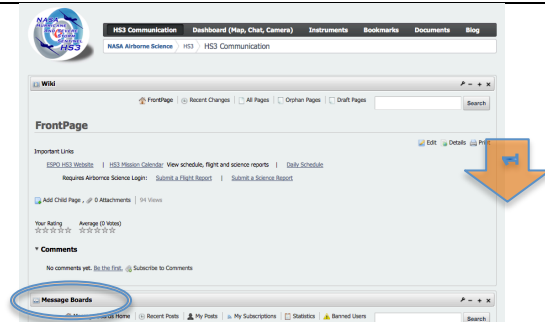**HS3 Communications Tab**

Find Important Info on FrontPage ➢ The Communication Tab, is for sharing information like announcements, important links, etc… When you launch the HS3 Workspace for MTS, you'll be able to read about the current status and get to important links such as the ESPO website, daily schedule, reports, and calendar. 1. Right-click **HS3 Mission Calendar** (or Control-click for Mac) ➢ If you don't right-click, the default is to replace your MTS browser session.	
2. Select **Open Link in New Tab** (or open in New Window or whatever choice your browser provides)	
3. Click on the new Tab ➢ It is recommended to keep these two tabs/windows open so you can easily switch between MTS and the ESPO Calendar (for updated schedules and links to filed flight and science reports)	

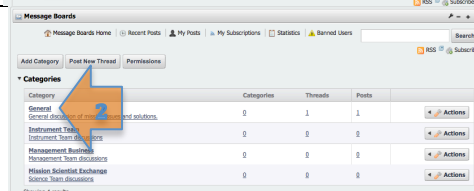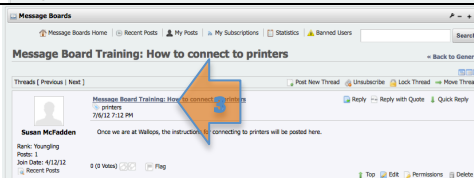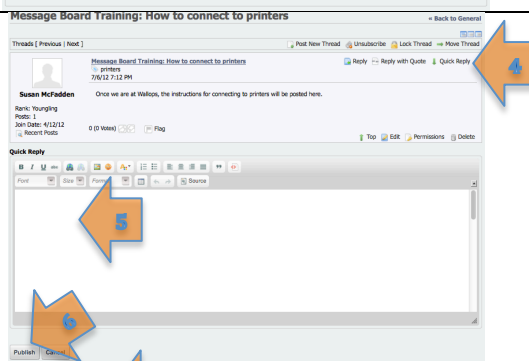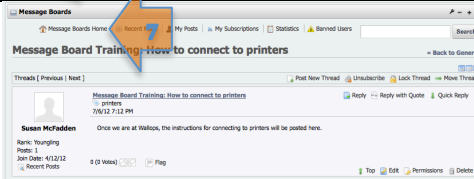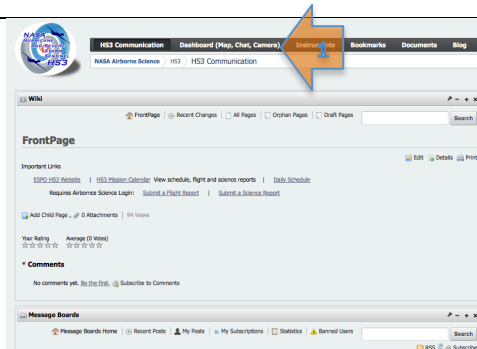|	
Message Boards ➤ Used for discussion with other shifts, to communicate issues, provide instructions…. 1. Scroll down to view Message Boards	
2. Click on the **General** Category	
3. Click on the "**Message Board Training: Test Post**" Thread	
4. Click on **Quick Reply** 5. Type a reply like "**testing**" 6. Click on **Publish** ➤ FYI: Instead of using Quick Reply, you can click on Reply for full features like attaching files…	
7. Click on **Message Boards Home** to return and see all Message Board Categories	

Mission Dashboard Tab

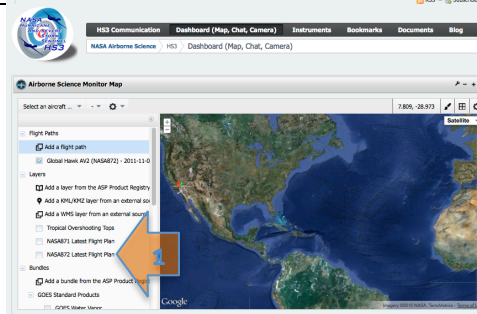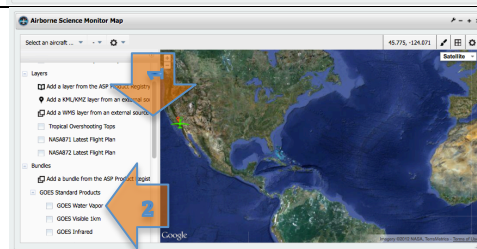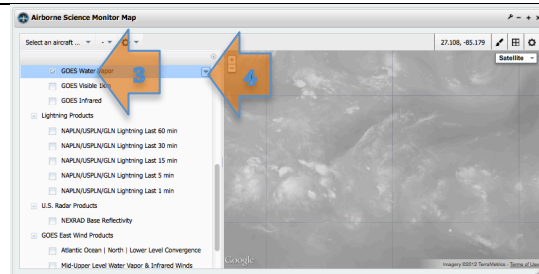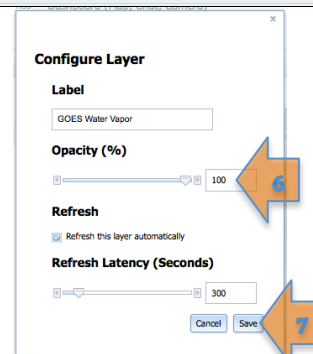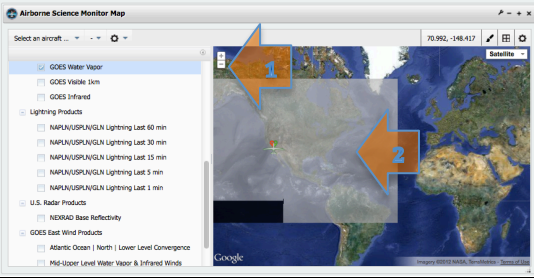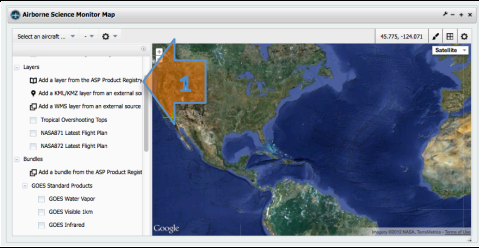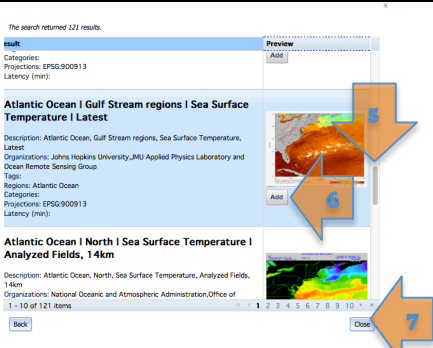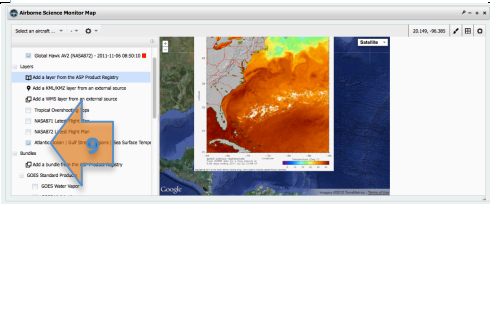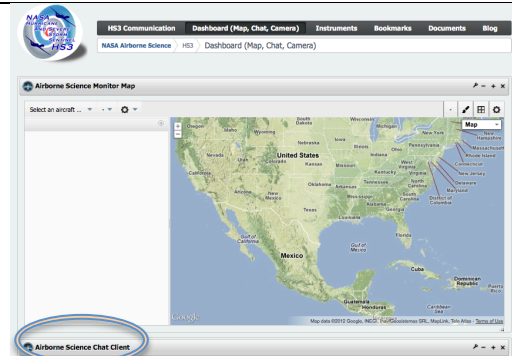|	
Map 1. Click on the **Mission Dashboard** Tab ➤ All tabs are at the top of the page so you may have to scroll to the top	
Show the Latest Flight Plan 1. Click on the check box for the **NASA872 Latest Flight Plan** ➤ Flight plans will always be loaded to the same file location in MTS Documents to make it easy to view here in the map	
View an Overlay ➤ Layers considered useful for HS3 are pre-loaded in the configuration so you only have to click on the checkbox to view. 1. Scroll down to view items under Bundles 2. Click on the check box for the **GOES Water Vapor**	
3. Hover your cursor over **GOES Water Vapor** until a down arrow icon appears which will provide actions we can apply 4. Click on the down arrow 5. Select **Configure**	
6. Either click on the Opacity line or enter 75 instead of 100 7. Click **Save** ➤ This will change the translucency to show the map below for perspective.	

Mission Dashboard Tab (continued)

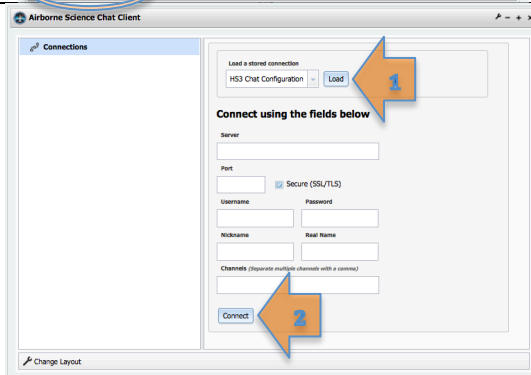|	
1. Click on the **negative sign –** to zoom out 2. Hold your cursor down and drag the map to move it to show more of the Atlantic	
Add an Overlay 1. Select **Add a layer from the ASP Product Registry**	
2. Click on the **Search** icon	
3. Type in **temp** to search for products with temperature 4. Click the **Search** button	
5. Scroll down and find **Atlantic Ocean | Gulf Stream regions | Sea Surface Temperature | Latest** 6. Click the **Add** button 7. Click the **Close** button	
8. Click **X** to return to the Map	
9. Uncheck to remove image from map or hover over text in the index until arrow pull-down appears and select delete to eliminate it from the index if you find it is not useful ➢ Post if there are layers helpful to include as part of the HS3 Configuration for all HS3 team members to see.	

Mission Dashboard Tab (continued)

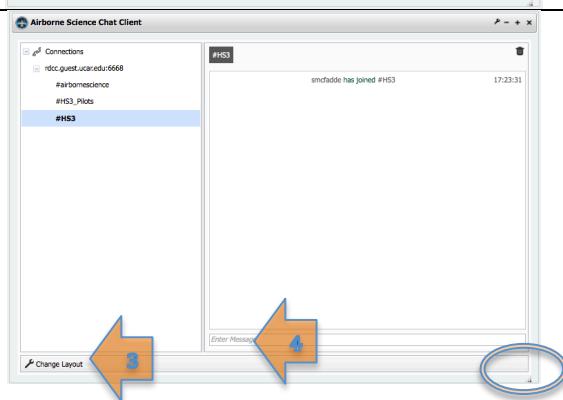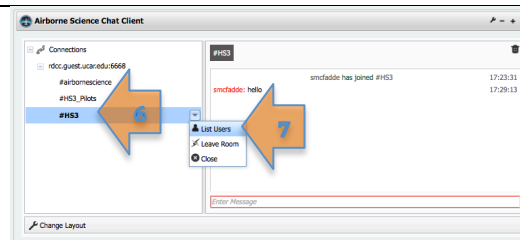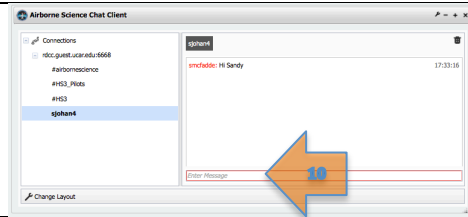|	
Chat ➤ Below the Map is the Chat Client for group and private chats	
1. Click on **Load** to prepopulate the fields with your default info 2. Click on **Connect** to join the HS3 chat channel	
3. Click on **Change Layout** to cycle between the different views 4. Type **hello** and hit enter 5. Change the size of the Chat Window by clicking on the bottom right corner till the dragging icon appears and click and hold until to the size you want. ➤ You can resize many of the other tools like the Monitor by dragging the bottom right corner.	
6. Hover on the name of the chat channel 7. Click on **List Users**	
8. Double-Click on a userid and their real name will be displayed 9. Click on **Start Private Chat**	
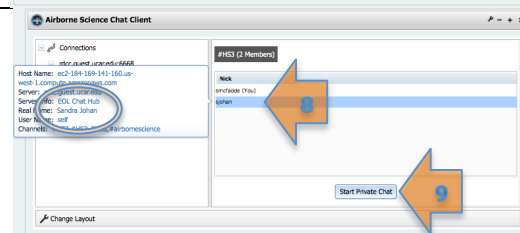
Mission Dashboard Tab (continued)

10. Type hello and hit enter	
11. Hover on the name of the chat channel or private chat 12. Click on **Leave Room**	
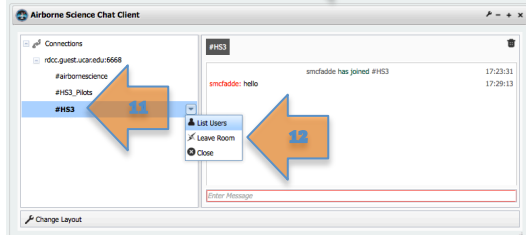
Instruments Tab

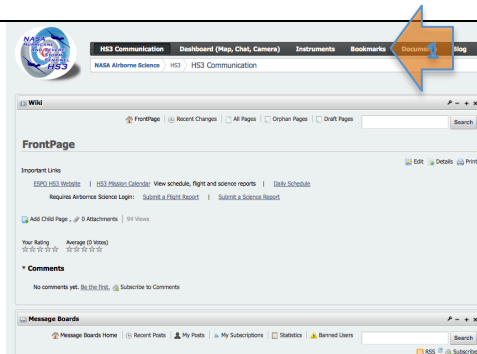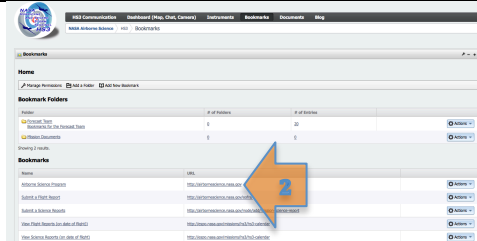|	
Instruments 1. Click on the tab for **Instrument**	
➢ Global Hawk Panel and Parameters are being setup 2. Click pull down for **Select Aircraft** and choose **DC-8** 3. Click pull down for **Select Panel** and choose **HRAMS** 4. Click **Add Entire Panel**	
5. Click Plot checkbox for MS_AB() 6. Click Plot checkbox for FlowRate() ➢ The plot will show two different parameters. There will be a more comprehensive charting package available for next year.	
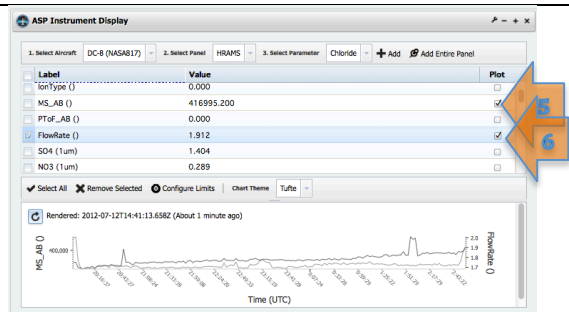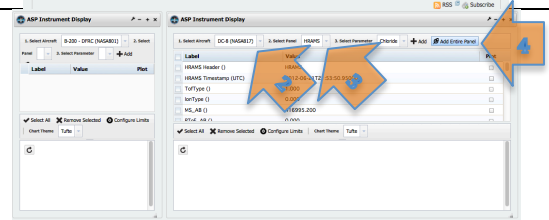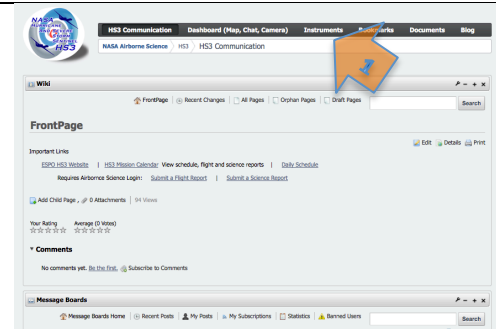
Bookmarks Tab

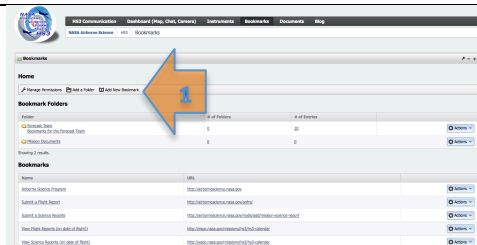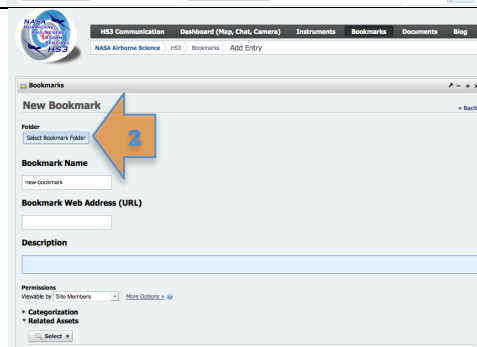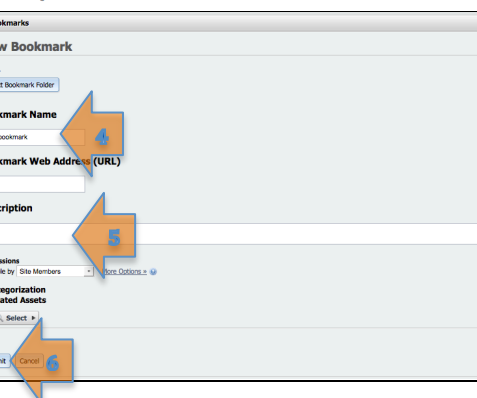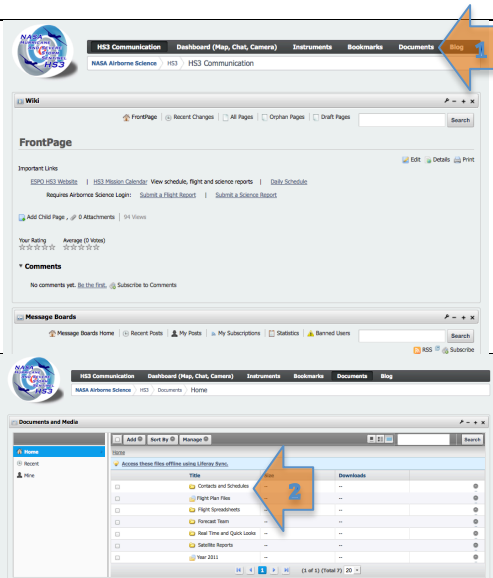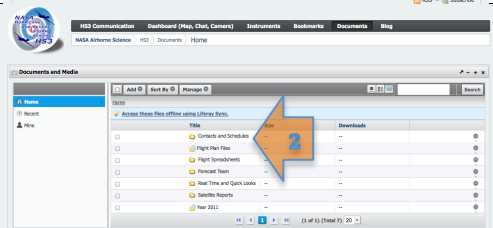|	
Bookmarks 1. Click on the tab for **Bookmarks**	
2. Right-click (or Control-click for Mac) on a link to open in another browser tab or window and keep Mission Tools Suite open. ➢ Or click on a link (which will replace your current browser)	
Add a Link for a Quick-Look Image 1. Share a link by clicking on **Add a Bookmark**	
2. Click on **Select Bookmark Folder**	
3. Click **Choose** for the Real-time and Quick-looks Links	
4. Enter a name for the bookmark such as HAMSR Quick-looks 5. Enter the url for the location you will be storing your Real-time or Quick-look data 6. Click **Submit** ➢ You can file the bookmark in a folder ➢ The default is viewable by the HS3 members ➢ Add a description if needed	9

Documents Tab

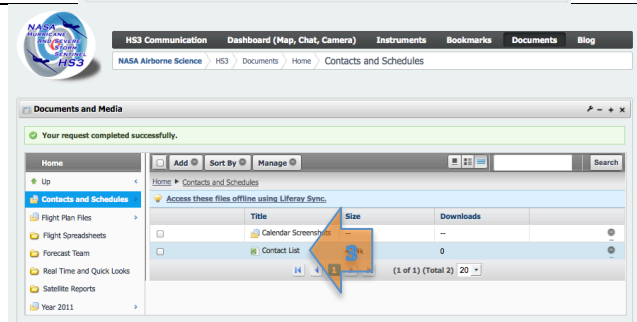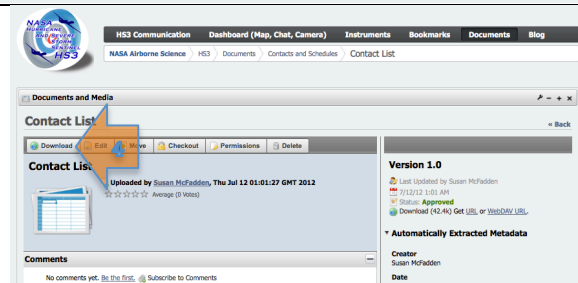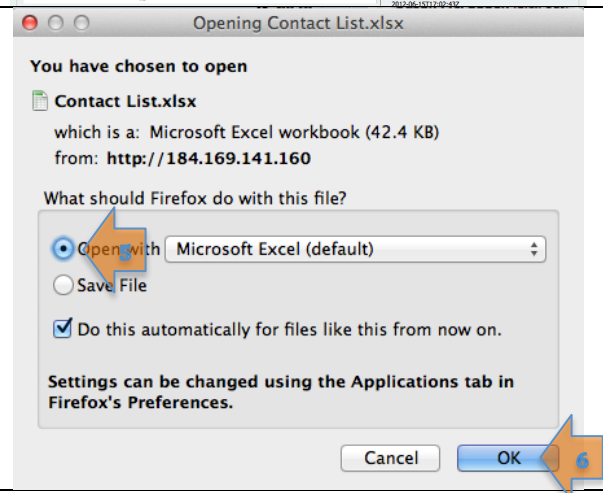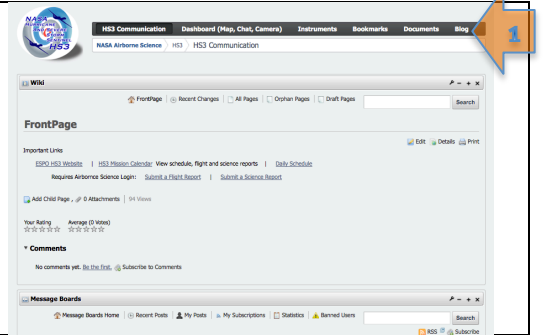|	
Mission Files are stored in Documents 1. Click on the tab for **Documents**	
2. Click on **Contacts and Schedules**	
3. Click on the **Contact List**	
4. Click on **Download**	
5. Click the radio button to **Open with Microsoft Excel** 6. Click **OK** ➢ FYI: This Contact List will contain important numbers. ➢ ESPO will have similar contact info for all participants for use in emergencies, etc…	

Blog Tab
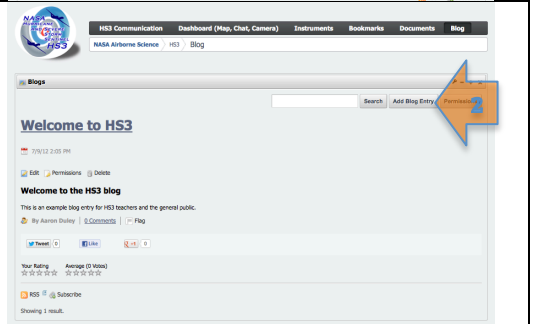
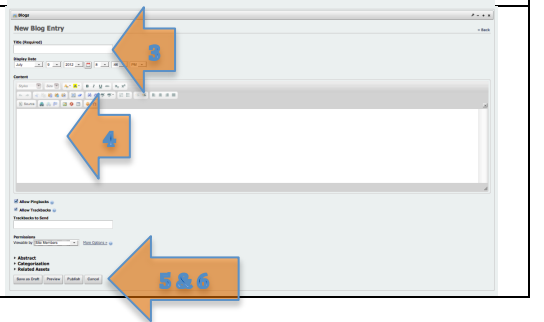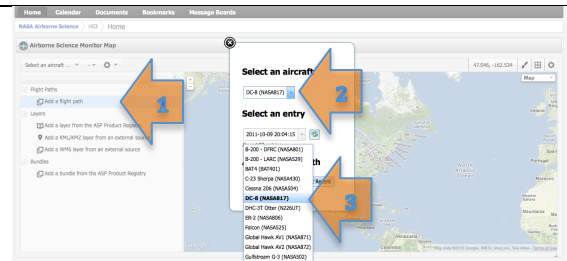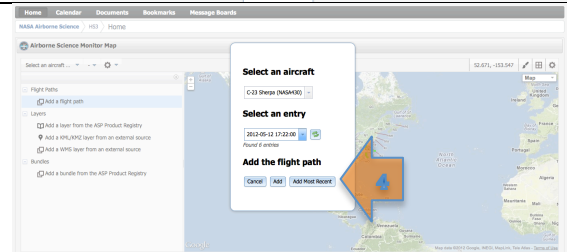|		
Mission updates posted on Blog ➢ Blog entries will be reviewed and may be reposted on NASA Hurricane Twitter or Facebook. 1. Click on the tab for **Blog**		
2. Click **Add Blog Entry**		
3. Enter Title 4. Enter formatted content for lay person with capitalization and correct spelling 5. Click **Preview** as needed 6. Click **Publish** when ready to post		

Additional Features:
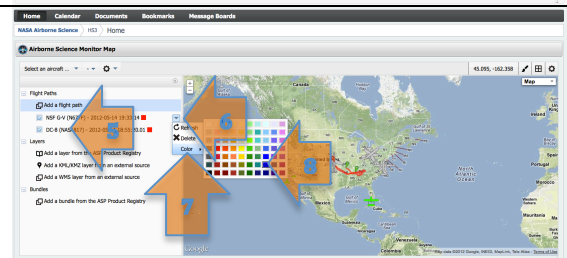
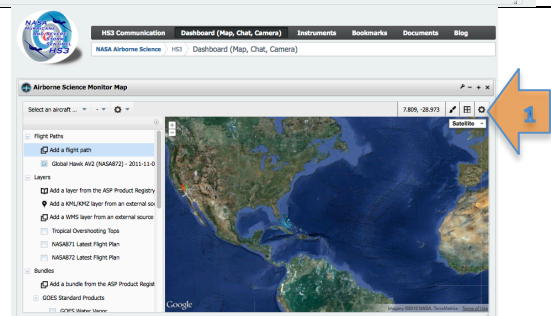|	
Add an Aircraft 1. Select pull down for *Add a flight path* 2. Click pull down for **Select an aircraft** 3. Select a plane such as *DC-8*	
4. Click **Add Most Recent**	
5. Hover cursor over the DC-8 in the left index to display the actions pull down 6. Click on the actions pull down 7. Click on *Color* 8. Click on a color that will show differently from the default flight color.	
Change Map Settings ➢ You can automatically have the map reposition to center based on lat/long or aircraft through Settings (gear icon) ➢ Change the map zoom to include a slider bar ➢ Change the map background 1. Click on the Gear Icon	
2. Click on Map Icon	
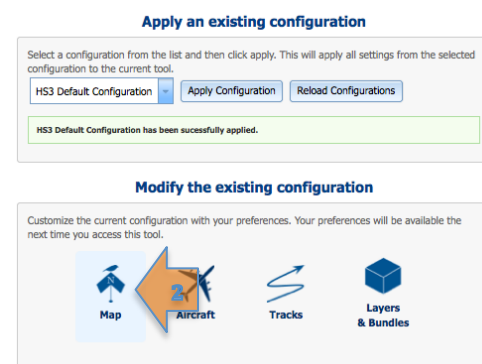
➤ The default is to restore based on previous session 3. Click on **Show the extended zoom control on the map** 4. Click **Save & Return**	
5. Click **X** at the top of the window to close	
Measure a Distance 1. Click on the Paintbrush Icon 2. Click on the Line Icon 3. Select a spot on the map with one click 4. Select another spot with a double-click. 5. Click on Hand 6. Drag box handles to new locations 7. View distances in index section	